

RECORDED IN PTO 524,077
10/524077

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
19 February 2004 (19.02.2004)

PCT

(10) International Publication Number
WO 2004/014257 A1

(51) International Patent Classification⁷: A61F 2/06 (74) Agents: FENSTER, Paul et al.; FENSTER AND COMPANY INTELLECTUAL PROPERTY 2002 LTD., P. O. BOX 10256, 49002 PETACH TIKVA (IL).

(21) International Application Number: PCT/IL2003/000303 (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 10 April 2003 (10.04.2003) (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(25) Filing Language: English (30) Priority Data:

151162	8 August 2002 (08.08.2002)	IL
151931	25 September 2002 (25.09.2002)	IL
10/239,980	26 September 2002 (26.09.2002)	US
PCT/IL02/00805	3 October 2002 (03.10.2002)	IL
152366	17 October 2002 (17.10.2002)	IL
153753	30 December 2002 (30.12.2002)	IL

(71) Applicant (for all designated States except US): NEO-VASC MEDICAL LTD. [IL/IL]; 6 YONI NETANYAHU STREET, 60376 OR YEHUDA (IL). (72) Inventor; and

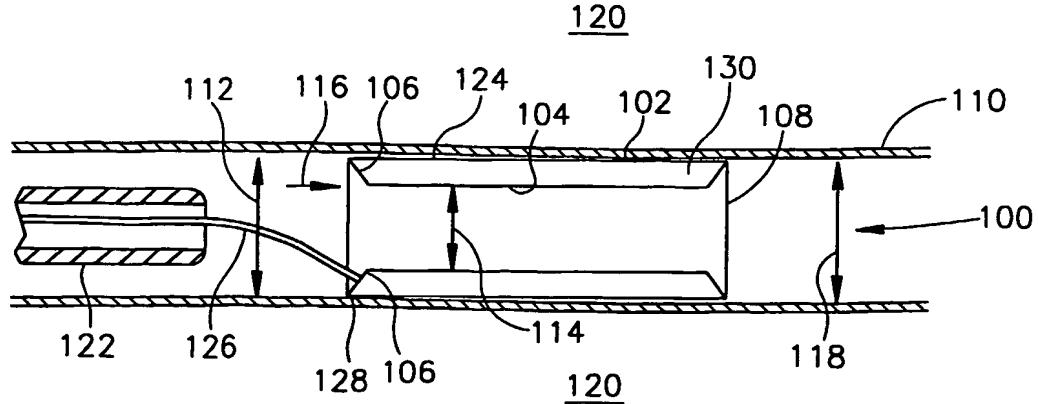
(75) Inventor/Applicant (for US only): BEN MUZHAR, Shmuel [IL/IL]; TIRAT ZVI, 10815 D.N. BEIT SHEAN VALLEY (IL).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: GEOMETRIC FLOW REGULATOR



(57) Abstract: A tubular implant for obstructing blood flow through a blood vessel, (110) the implant comprising an outer surface having a geometry of a tube, at least a portion of which is adapted for contacting a blood vessel and an inner surface defining a passage through which blood flows, wherein the distance between the inner surface and the outer surface is non-uniform along an axis of said tube.

WO 2004/014257 A1